



University of Benghazi
Faculty of Medicine



Forensic Medicine and Toxicology Course

The forensic medicine and toxicology course is one of the basic requirements of the human medicine program. During the course students will:

- acquire knowledge and skill about forensic pathology and different forensic medical sciences.
- Provide knowledge on the major forensic problems in the community that could face the general practitioners, and the way of dealing with them.
- acquire knowledge of law in relation to medical practice, medico-legal responsibilities and medical negligence and respect for codes of medical ethics.
- Acquire comprehensive basic knowledge and skill of common toxic substances clinical presentation and management plan.

The course is taught in the fourth year. The number of study hours is 70 hours.
The course aims to:

Learning outcomes:

Knowledge and understanding:

1. Discuss the importance of identifying and comparing physical evidence, explaining their significance, and the value of fingerprinting, and DNA profiling
2. Explain the importance of Anthropology and Entomology, serology, and the use of ballistics
3. Discuss the principles on the effect of poisons and drug overdose
4. Discuss the ethical and legal aspects of medical practice.

Intellectual skills:

1. Classify types of fingerprinting and physical injuries
2. Analyze human remains in order to collect data, and various forms of injuries
3. Design an appropriate diagnostic and management plan for patients with drug overdose and other substance toxicity
4. Summarize ethical dilemmas in healthcare practice that arise in everyday clinical decision-making process

Practical and professional skills:

1. Write proper death certificate and wound report
2. Estimate time of death through postmortem changes and other evidence.
3. Differentiate between entrance and exit wounds, dry and moist heat, self-inflicted and defense wounds in preserved specimens

General and transferable skills:

1. Communicate effectively with their colleagues and teachers.
2. Be an influential part of a teamwork and aware of team dynamics
3. Utilize the resources of biomedical information and effectively use them to update his/her knowledge.

Teaching and learning methods :

- Lectures.
- tutorials and Small group discussions
- office hours.

Evaluation methods:

- Written short essay to assess the cognitive domain.
- MCQs to assess the cognitive domain
- OSPE exam to assess the cognitive, psychomotor and affective domains.

References:

- Simpson's Forensic Medicine ,14 edition.
- Goldfrank's Toxicologic Emergencies, Eleventh Edition, McGraw Hill LLC, 2018.
- Burkhard Madea, Handbook of Forensic Medicine, First published:14 March 2014, John Wiley & Sons, Ltd.
- Haddad and Winchester's Clinical Management of Poisoning and Drug Overdose,4 th edition.